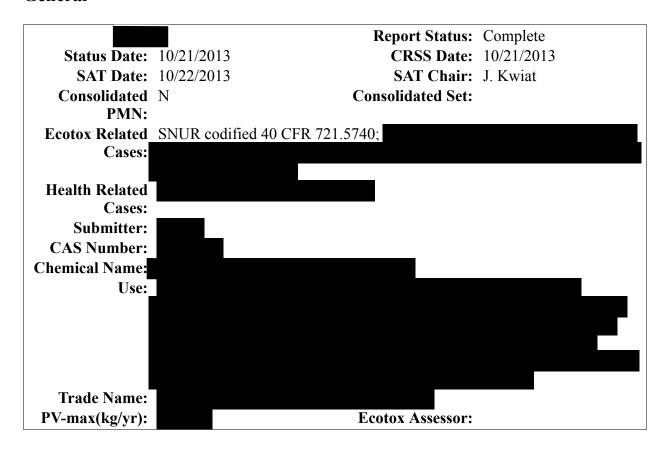
### **Ecotox Report for Case # P-13-0930**

#### General



#### **Fate Summary Statement**

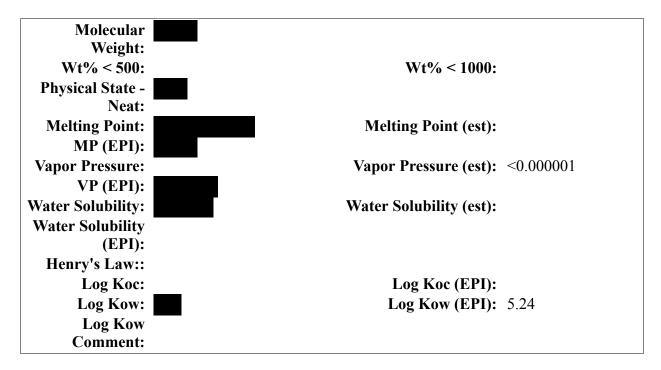
```
Fate Summary P-13-0930
   Statement: FATE:
               Solid with MP =
               log Kow =
                             (M)
                      mg/L at 25 C (M)
               VP \le 1.0E-6 torr at 25 C (E)
               BP = 398 \text{ C (E)}
               H < 1.00E-8 (E)
               \log Koc = 5.04 (E)
               \log Fish BCF = 2.42 (E)
               \log Fish BAF = 1.21 (E)
               POTW removal (%) = 39 via sorption and possible partial biodeg; OECD
               301B(Mod Sturm
               CO2 ev): 0-3.7%/31d; OECD 301B(Mod Sturm CO2 ev): 0%/35d.
               Time for complete ultimate aerobic biodeg = mo
```

Sorption to soils/sediments = v.strong

PBT Potential: P2B1

\*CEB FATE: Migration to ground water = negl

#### **Physical Chemical Information**



#### **SAT Concern Level**

```
Ecotox Rating
(1):
Ecotox Rating
Comment (1):
Ecotox Rating
(2):
Ecotox Rating
Comment (2):
Ecotox Route of All releases to water
Exposure:
```

#### **Ecotox Comments**

E D	V
Exposure Based	Y
Review (Eco):	
Ecotox	
<b>Comments:</b>	

<b>Exposure Based</b>	
Testing:	

### **PBT Ratings**

Persistence	Bioaccumulation Toxicity		<b>Comments</b>	
2	1	2		

# **Eco-Toxicity Comment:**

### **Fate Ratings**

Removal in 3 WWT/POTW (Overall):	9					
Condition	Rating	Rating Description Comment			Comment	
Etal DCE.	Values	1	2	3	4	
Fish BCF: Log Fish BCF:						
WWT/POTW	1-2	Low	Moderate	Strong	V. Strong	
Sorption:	1 2	LOW	Moderate	buong	v. Strong	
WWT/POTW	4	Extensive	Moderate	Low	Negligible	
Stripping:						
Biodegradation		Unknown	High	Moderate	Negligible	
Removal:	2	I Inlynoryn	Commista	Doutiol		
Biodegradation Destruction:	3	Unknown	Complete	Partial	_	
Aerobic Biodeg	3	<= Days	Weeks	Months	> Months	
Ult:		J				
Aerobic Biodeg		<= Days	Weeks	Months	> Months	
Prim:	2.4		XX7 1	N. 6.	. 36 4	
Anaerobic Biodeg Ult:	3-4	<= Days	Weeks	Months	> Months	
Anaerobic		<= Days	Weeks	Months	> Months	
Biodeg Prim:		Duys	WCCRS	TVIOITIIS	Wioning	
Hydrolysis (t1/2		<= Minutes	Hours	Days	>= Months	
at pH 7,25C) A:						
Hydrolysis (t1/2		<= Minutes	Hours	Days	>= Months	
at pH 7,25C) B: Sorption to	1	V. Strong	Strong	Moderate	Low	
Soils/Sediments:	1	v. suong	Suong	wiouciaic	LUW	
Migration to Ground Water:	1	Negligible	Slow	Moderate	Rapid	

Removal in 3 WWT/POTW (Overall): Condition	Rating		Ratir	ng Description		Comment
	Values	1	2	3	4	
Photolysis A, Direct:		Negligible	Slow	Moderate	Rapid	
Photolysis B, Indirect:		Negligible	Slow	Moderate	Rapid	
Atmospheric Ox A, OH:		Negligible	Slow	Moderate	Rapid	
Atmospheric Ox B, O3:		Negligible	Slow	Moderate	Rapid	
Bio Comments: Fate Comments:						

# **Ecotoxicity Values**

Test organism	<b>Test Type</b>	Test Endpoint	Predicted	<b>Experimental Comments</b>	
Fish	96-h	LC50	0.16		
Daphnid	48-h	LC50	0.35		
Green Algae	96-h	EC50	0.43		
Fish	-	Chronic Value	0.054	0.16	
Daphnid	-	Chronic Value	0.11	0.061	
Green Algae	-	Chronic Value	0.093		
Ecotox Value Predictions are based on SARs for polyphenols; SAR chemical class =  Comments: polyphenol; MW solid with mp unknown (P); log Kow = 5.34 (EPI),  (M); S = mg/L at 20 C (P); pH7; effective concentrations based on 100% active ingredients and mean measured concentrations; hardness <150.0 mg/L as CaCO3; and TOC <2.0 mg/L;  This material is a potential endocrine disruptor to aquatic and terrestrial wildlife.					

### **Ecotox Factors**

Factors	Most Sensitive Endpoint	Assessment Factor	CoC	Comment
Acute		10		
Aquatic(ppb):				
Chronic			5	
Aquatic(ppb):				

Factors	Values	Comments
SARs:	polyphenols	
SAR Class:	polyphenol	
TSCA NCC	None	
Category?		

Recommended	
<b>Testing:</b>	
<b>Ecotox Factors</b>	
<b>Comments:</b>	

# **Comments/Telephone Log**

Artifact	<b>Update/Upload Time</b>	
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